



Corporate Office : 2nd Floor, Subham Veloc
 :- +91 - 361 - 2344211, 2344212, e-mail :

o/c

ES801464371N IVR:6963801464371
 SP MISSA S.O <782138>
 Counter No:2,16/11/2024,12:18
 To:THE MEMBER S.S E I A RUTH
 PIN:781021, Bamunimaidan S.O
 From MS K D CEMENTS,RANGAGORA
 Mt.:27gms
 Amt.:9.00, Tax:9.00,Amt.Paid:99.00(Cash)
 <Track on www.indiapost.gov.in>
 Dial :8002666668 <Wear Masks, Stay Safe>

ES801464371N IVR:6963801464371
 SP MISSA S.O <782138>
 Counter No:2,16/11/2024,12:18
 To:THE JOINT O.I,N OF E F AND C
 PIN:783021, Madanritting S.O
 From:MS K D CEMENTS,RANGAGORA
 Mt.:27gms
 Amt.:9.00, Tax:9.00,Amt.Paid:99.00(Cash)
 <Track on www.indiapost.gov.in>

To,
 The Member Secretary, → sent via e-mail dated 11-11-2024 as per vide
 Pollution control Board of Assam, letter no. WB/GUW/T-1408/Pt-1/09-10/53
 Bamunimaidan , Guwahati - 21 dated - 06-05-2023 (PCBA letter)

(Sub:- Submission of Half Yearly Compliance Report for the period from April 2024 to September 2024)

Sir,
 We are hereby furnishing the half yearly compliance report (hard copy and soft copy) for the period from 01/04/2024 to 30/09/2024 on Environmental Stipulations for Expansion of Cement Plant (from 500 TPD-1000 TPD), Cement Grinding Unit at Dag. No. 292,287,286,296, Patta No. 27 & 41, Village - Bhamoraguri, Gaon Panchayat - Kuhumtali, Sub-Division Samaguri, Nagaon by M/s K.D. Cements - Environmental Clearance Letter No. SEIAA.47/2013/78; Dated 25th March 2014.

This is for your kind information and perusal. You are requested to kindly acknowledge the receipt of the same .

Thanking you.

Yours faithfully
 For K.D. Cements

[Signature]
 (Authorised Signatory)



Encl:- As stated above

Copy to:-

- (1) The MoEF, North Eastern Regional Office , Shillong , Meghalaya.
- (2) The Member Secretary, State Environment Impact Assessment Authority, Assam
- (3) The Senior Environmental Engineer, Regional Office , Assam Pollution Control Board , Nagaon (Assam)

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Yesterday

- Kolkata@topcem.in; Pradip Kumar Raut Mon 11-11-2024
- membersecretary@topassam.org Mon 8-11-2024

Three Weeks Ago

- kolkata@topcem.in 25-10-2024
- Kolkata@topcem.in; infamania@topcem.in; choudhury... 25-10-2024

Last Month

- Mahanta Tanti; infamania@topcem.in; kolkata@top... 25-10-2024
- Mahanta Tanti; infamania@topcem.in; kolkata@top... 25-10-2024
- neeha.hazari@apgl.com 03-10-2024

Other

- Gautam Sharma 26-09-2024
- bj@anghika@gmail.com; Birendra Sir; Pradip@topc... 26-09-2024
- skides@topcem.in 20-09-2024
- KD Cements; spolastu.co@topcem.in 20-09-2024
- toplastic@topcem.in 27-08-2024

Environmental Compliance Report for the period from April 2024 to September 2024.

KD Cements (factory@topcem.in)

Sent: Mon 11-11-2024 08:57

To: membersecretary@topassam.org

From: kolkata@topcem.in; Pradip Kumar Raut; Birendra Sir; Mahanta Tanti

Subject: Environmental Compliance Report for the period from April 2024 to September 2024

Message | Compliance Report April 2024 to Sep 2024-merge4-compressed.pdf (7 MB)

Reference : Your Office Letter no.WB/GUW/T-1406/PT-1/09-10/53/280 , DT.06.05.2023

Sir,

Please find attached herewith Environmental Compliance Report for the period from April 2024 to September 2024.

Yours faithfully,


Pradip Kumar Raut
 K.D. Cements
 Bhomraguri, P.O. Barigaoria,
 Nagarn, Assam

12 Items

9:07 12-11-2024

Half yearly Compliance Report for the period from April 2024 to September 2024 on Environmental Stipulations for Expansion of Cement Plant (from 500 TPD-1000 TPD), Cement Grinding Unit at Dag. No. 292,287,286,296, Patta No. 27 & 41, Village – Bhamoraguri, Gaon Panchayat – Kuhumtali, Sub- Division Samaguri, Nagaon by M/s K.D. Cements – Environmental Clearance Letter No. SEIAA.47/2013/78 dated 25th March 2014

Sl. No. as per letter dated 25 th March' 2014 of State Environment Impact Assessment Authority	Action to be taken	Compliance	
SPECIFIC CONDITIONS			
(1)	Other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the Pollution Control Board, Assam shall be obtained.	The company has obtained necessary statutory clearance certificate from the concerned department and got 'NOC' from the Pollution Control Board Assam.	Complied
(2)	Cement Grinding should be carried out in closed cement mill and stack emissions from various sources shall not exceed 50 mg/Nm ³ . As proposed, cyclone separator followed by reverse pulse jet type bag filter shall be provided along with stacks of adequate height as per the CPCB guidelines to control gaseous emission below 50 mg / Nm ³ . Stacks of adequate height shall be provided to DG sets. Continuous on – line monitors for particulate emissions shall be installed in stacks. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	Cement grinding is being carried out in closed circuit cement mill and reverse pulse jet type bag filter with 100% polyester Non Woven felt with PTFE Membrane Laminated bag has provided to maintain the stack emission limit as per the guideline of CPCB. An adequate height has provided to cement mill and D.G. Set as well. On-line CEMS for particulate emission has installed in stack. Interlocking facility is also provided in the pollution control equipment. All the conditions are being followed by the project proponent.	Complied With. Adequate heights of stacks are being maintained and CEMS for continuous monitoring of dust is provided. Monthly stack emission report is attached at annexure -I.
(3)	Ambient air quality monitoring stations (AAQMS) shall be set up as per requirement in consultation with the SEIAA Assam, Assam Pollution Control Board (ASPCB). Ambient air quality including ambient noise monitoring shall be carried out regularly in consultation	AAQ monitoring station has been set up as per the guideline given by ASPCB. All the monitoring works such as AAQ, Noise, Stack & fugitive are being carried out by third party and the report are maintained accordingly and are	Complied With. AAQ monitoring station has provided, as per the guideline.


for K.D. Cements

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	with SEIAA Assam and must not exceed the standards stipulated under EPA. Monitoring reports for ambient air, stack and fugitive emissions shall be submitted to the SEIAA, Assam, Regional Office MOEF at Shillong and PCB, Assam half-yearly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	submitted to respective boards on half yearly basis. The calibration is being done time to time for the instruments used for AAQ monitoring by the third party.	
(4)	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading / unloading points and all the transfer points. Dust extraction systems comprising of hoods, ducts, bag house, ID Fans and exhaust ducts shall be provided to control the dispersion of fugitive dust. Bag filters shall be provided for de-dusting of storages and auxiliaries in different departments to control fugitive emissions. Fugitive dust emissions from all the sources including storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	The company has installed adequate nuisance bag filters for controlling the fugitive dust emission at particular places. The dust collected is being recycled back in the process. A closed roof shade has constructed for the storage of raw materials, water sprinkler are provided in the raw materials stock yard and cement bags loading area.	Complied With. Nuisance bag filters has provided to mitigate the fugitive dust emission. Water sprinkling is being done to control fugitive dust emission
(5)	Asphalting/Concreting of roads and water spray all round the stock yard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It's shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In order to control fugitive dust emission, regular water sprinkling is being done in all over the plant premises and especially in critical dust prone areas for maintaining the standard limit given by the CPCB. The company has completed at least 95% of concreting of internal road of factory premises.	Complied With. Water sprinkling is being done to control fugitive dust emission

For K D Cements

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(6)	Efforts shall be made to reduce impact of transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored and comply standard limit.	The company assures that all the raw materials/ products are transported with proper precautions and vehicular emission is being monitored regularly.	Complied With
(7)	Total ground water requirement for the cement plant shall not exceed 16m ³ /day. Clarifier and sludge pond shall be provided for removal of suspended solids. Oil and grease shall be removed from the contaminated water by means of oil traps and skimming devices. Treated wastewater shall be utilized for dust suppression and green belt development inside - the plant premises. No liquid effluent shall be discharged from the process outside the premises and all the treated wastewater shall be utilized for green belt development and other plant related activities 'Zero' effluent discharge shall be maintained. Domestic wastewater shall be treated through septic tank and dispose off through soak pit.	Company ensures that total ground water consumption will not exceed form 16 m ³ /day for industrial and domestic process. Company is complying 'Zero' discharge. The domestic waste water is being treated and dispose off through soak pit Hence the mentioned limit is maintained.	Complied With. Water consumption is being monitored on regular basis.
(8)	Prior 'Permission' for drawl of additional quantity of 4m ³ /day ground water from the State Ground Water Board / Central Ground Water Authority (SGWB / CGWA) shall be obtained and a copy submitted to the SEIAA, Assam within 3 months of issue of environmental clearance letter.	The company has got NOC for drawl of underground water vide NOC No.CGWA/NOC/IND/REN/2/2024/ 8988 , Dated – 30/01/2024 Valid Upto -13/03/2027	Agreed to complied With
(9)	Solid waste viz dust generated from air pollution control equipments shall be properly recycled and reutilized in the cement plant itself. No solid waste shall be discharged from the grinding unit. Treated domestic sludge shall be used as manure for green belt development. Used/ spent oil shall be sold to authorized recyclers / preprocessors.	Solid waste generated from the air pollution control equipment are being properly collected and reutilized in the plant itself. No solid waste is discharged and treated domestic sludge is used as manure for green belt development.	Complied With Solid waste from pollution control equipment is being utilized with raw materials.


For K D Cements

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(10)	As proposed, green belt shall developed in 7,548 m ² (33%) out of total 22,872 m ² area mitigate the impact of fugitive emissions in an around the expansion project as per the CPCB and action plan is to be submitted to SEIAA, Assam.	Development of green belt up to 33% of the project area i.e. 7,548 m ³ of land is developed as green belt.	Complied With Plantation Phographs attached at Annexure -II
(11)	All the recommendations mentioned in the Corporate Social Responsibility or Environmental Protection (CREP) shall be followed and complied.	The company abides to follow and comply all the recommendations mentioned in the CSR or CREP activities.	Complied with
(12)	Rain water harvesting measures shall be adopted. The Company must also harvest the rain water from the roof tops and storm water drains to recharge the ground water and used the same water for the various activities of the project to conserve fresh water. Action taken so far in this regard shall be intimated to SEIAA, Assam.	Rain water harvesting measure has taken by the company.	Complied with
(13)	Excess water along storm water during monsoon should not be discharged into the surrounding low lying area. The storm water during monsoon will be collected in a pond and after appropriate treatment shall be stored in a reservoir for use in plantation, dust suppression etc.	The company has excavated a pond for collection of excess water along storm water during monsoon and after appropriate treatment it is stored in reservoir for use in plantation and dust suppression etc.	Complied with
(14)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured as per fly ash notification of MoEF, Government of India. Utilized fly ash and bottom ash shall be stored in the ash pond separately through high concentration slurry disposal method. Mercury - levels along with other heavy metals (Pb, Cr, As, etc.) should monitored in the fly ash / bottom ash, leachates and effluents emanating from the ash pond. Ash pond shall be lined with HDPE / LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke	Fly ash in dry form is being stored in closed storage facility and 100% fly ash is utilized in the process. Adequate safety measures are provided. No wet fly ash is being utilized by the company.	Complied With

For K D Documents

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	from getting breached.		
(15)	Adequate safety measures shall be provided in the plant area to check / minimize spontaneous fires in coal yard, especially during summer season. Details of these measures to be taken along with location plant layout shall be submitted to the SEIAA, Assam.	Safety manual and procedures are defined and well maintained to check any likely accidents/incidents. Since, coal is not being used by company for manufacturing process, chances of spontaneous fires in coal is nil. For other fire accident adequate safety measures are implemented.	Complied With.
(16)	Storage facility for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made in the plant area where risk is Minimum. On site and off site Disaster Management Plans shall be prepared to meet any eventuality in case of an accident taking place. Mock drills shall be conduct regularly and based on the same, modifications required, if any shall be incorporated in the Disaster Management Plan (DMP). Sulfur content in the liquid fuel will not exceed 0.5%.	Disaster management plan to meet the eventuality in case of accident has prepared and defined. Mock drill is being conducted regularly accordingly. Sulfur content of liquid fuel is also being monitored.	Complied With
(17)	Regular monitoring of ground water in and around the ash pond shall be carried out, records maintained and half yearly reports shall be furnished to the SEIAA, Assam.	As 100% dry fly ash is being utilized in the process and so no ash pond is required, therefore contamination of ground water due to wet ash is not possible.	Complied With
(18)	First aid and sanitation arrangements shall be made for the drivers and other contract workers.	First aid & sanitation arrangements are made for the workers.	Complied With
(19)	An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization and he shall be held responsible for implementation of environmental regulations and social impact improvement/ mitigation measures.	The company has appointed an EHS officer to monitor and mitigate environmental measures.	Complied With


For K. D. Cementis

 Authorized Signatory

(20)	The company shall provide housing for labour within the site with all necessary infrastructure and facilities such as fuel for cooking, toilets, STP, Safe drinking water, medical health care, etc.	The company has already taken a step in this regards by constructing a residential colony, medical health care, toilet etc for labors.	Complied With
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A. GENERAL CONDITIONS

In respect of the Cement Grinding Unit the following general conditions shall be adhered to the project proponent:

(1)	The project authority must adhere to the stipulations made by Pollution Control Board (Assam) and State Government.	The company adheres the stipulation made by PCB Assam & state government	Agreed for compliance.
(2)	No further expansion or modification of the plant shall be carried out without prior approval of SEIAA, Assam.	The company assures that no further expansion or modification of plant shall be carried out without prior approval of SIEAA.	Agreed for compliance.
(3)	At least four ambient air quality – monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM _{2.5} , PM ₁₀ , SO ₂ and Nox are anticipated in consultation with the SEIAA, Assam, and PCB Assam. Data on ambient air quality and stack emissions shall be regularly submitted to this SEIAA, Assam, Regional Office, MoEF at Shillong once in six months.	As per the guidelines of PCB Assam, AAQ/Stack emission monitoring is being carried out on regular basis and the reports are submitted to respective boards on half yearly basis.	Complied with
(4)	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May'1993 and 31 st December'1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	There is no generation of industrial waste water in our plant premises.	Complied With

For K D Cement

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(5)	The overall noise levels in and around the plant area shall be kept well within the standards (75dBA in day time) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environmental (Protection) Act,1986 Rules, viz 75dBA (day time) and 70dBA(night time)	The overall noise levels are monitored and are kept within the standard prescribed limit as specified under EPA 1986.	Complied With
(6)	Proper housekeeping and adequate occupational health programmes must be taken up. All the persons working in the sensitive areas shall wear protective covers. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis test once in six month.	The company has maintained housekeeping inside plant premises and provided PPE's for all workers/staffs working in the company. Health surveillance program are organized time to time.	Complied With
(7)	The company shall undertake eco-development measures including community welfare measures in the project area.	The company has undertaken the eco-development and community welfare measures in the project area.	Complied With
(8)	The Project Proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	The PP complies all the environmental protection measures and safeguards recommended in EIA/EMP.	Complied With
(9)	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	The company has separate environment management team with full fledged laboratory facilities to carry out management and monitoring fuctions directly under the control of senior executive	Complied with Photographs At Annexure-III

For K D Cement

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(10)	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures and judiciously utilized for the implementation of conditions stipulated by the Ministry of Environment and Forests as well as the State Govt. The funds so provided shall not be diverted for any other purposes.	The company has managed the separate accounts for the fund of the environmental protection and aspects. The detailed expenditure is submitted to concerned board time to time.	Complied With
(11)	The SEIAA, Assam shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	The compliance report and the monitored data along with statically inter predation will be submitted to SIEAA, Assam on half yearly basis.	Complied With
(12)	The Project Authorities shall inform the SEIAA, Assam as well as the RO MoEF, the date of the financial closure and final approval of the project by the concerned authorities and the date of commencing the expansion project.	The company assures that before commencing the expansion project, prior information would be given to SIEAA, Assam as well as RO MoEF respectively.	Agreed for compliance.
(13)	The Project Proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA, Assam and will be seen at Website of the SEIAA, Assam.	The company has given advertisement of EC Clearance to the local news paper and also mentioned that it could be seen at website of the SEIAA, Assam.	Complied With
(14)	The SEIAA, Assam or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the SEIAA, Assam.	The company agrees to the stipulated conditions.	Agreed for compliance.
	The SEIAA, Assam may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	The company agrees to comply all the condition stipulated in the EC.	Agreed for compliance.

For K.D. Cement

 Authorized Signatory

(15)	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.	The company ensures that it will implement any change in the given time bound.	Agreed for compliance.
(16)	The Proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA, Assam and RO of MoEF. The criteria pollutants levels namely; PM ₁₀ , PM _{2.5} , SO ₂ , Nox, etc.(ambient level as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The company uploads the status of compliance of the stipulated EC condition including results of monitored data on the company website time to time.	Complied With
(17)	The above conditions shall be enforced, inter-alia under the provisions of the Water Act, 1974 the Air Act, 1981 the Environment Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	The company abides that it will enforce the above conditions.	Complied With

For K D Cementa

 Authorized Signatory

Recognized by Pollution Control Board, Assam

TC-7669

NABL ACCREDITED

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_1503155_01_626
SAMPLE ID: EETNE/APR/05/24

Date: 22/04/2024
ULR NO.:TC766924000000149F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 16/04/2024, 17/04/2024 TO 22/04/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	16/04/2024	Near Main Gate	Clear	59.2	34.2	22.5	10.6
ii)		Near Mill House		60.6	30.5	21.6	13.3
iii)	17/04/2024	Near Clinker Go down		62.4	32.1	18.3	11.1
iv)		Near Green Belt Area		60.8	28.6	17.8	12.6

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	50
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40
			24 hours	60

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
(Environmental Chemist)

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----




Recognized by Pollution Control Board, Assam

TC-7669

NABL ACCREDITED

TEST REPORT**FUGITIVE EMISSION ANALYSIS REPORT**Rep.No. 240422_1503155_01_627
SAMPLE ID: EETN/APR/05/24Date: 22/04/2024
ULR NO.:TC766924000000149F**Name & Address:**
M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	16/04/2024	Near Mill House	1501	-Water spraying is done to control the fugitive emission.
ii)	17/04/2024	Near Fly Ash Conveyor Belt	1421	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1320	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory / Reviewed by

- Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_628
SAMPLE ID: EETNE/APR/05/24

Date: 22/04/2024
ULR NO.:TC766924000000149F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	17/04/2024	Near Main Gate	70.1
ii)		Near Office Building	68.3
iii)	16/04/2024	Near Green Belt Area	61.2
iv)		Near Cement Mill	70.3

Remarks: Noise level is carried out during 75% of the Day Time.
Method of analysis : : IS 9989 :1981RA :2014
Sampling Instrument Used : SLM100 SLNO484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TEST REPORT

D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. DGNLMR_1503155_06A_629
 SAMPLE ID: EETNE/APR/05/24

Date: 22/04/2024
 ULR NO.:TC766924000000149F

Name & Address:
 M/s. K.D. Cements,
 Vill: Bhomraguri,
 P.O. Rangagora,
 Dist : Nagaon,
 Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	16/04/24	250 KVA - DG Set	58.9	71.2	70.9
ii)		1500 KVA - DG Set	57.8	73.1	72.9

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.
 Method of analysis : IS 4758 :1968RA :2017
 Sampling Instrument Used : SLM100 SLNO484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.


 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_630
SAMPLE ID: EETNE/APR/05/24

Date: 22/04/2024
ULR NO.:TC766924000000149F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 17/04/2024 TO 22/04/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	17/04/2024	Stack attached to CEMENT MILL	27.1	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_631
 SAMPLE ID: EETNE/APR/05/24

Date: 22/04/2024
 ULR NO.:TC766924000000149F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 16/04/2024 TO 22/04/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	16/04/2024	Stack attached to DG set- 250 KVA	0.018	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW<P≤560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	16/04/2024	Stack attached DG Set- 1500 KVA	62.8	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
 (Environmental Chemist)

Utpal Bezbaruah
 (Technical Manager)

Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_1503155_01_689
 SAMPLE ID: EETNE/JUNE/03/24

Date: 10/06/2024
 ULR NO.:TC766924000000165F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 03/06/2024, 04/06/2024 TO 10/06/2024
 Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	03/06/2024	Near Main Gate	Clear	62.9	32.6	22.6	10.1
ii)		Near Mill House		57.2	34.9	23.1	15.9
iii)	04/06/2024	Near Clinker Go down		58.1	35.2	18.8	10.2
iv)		Near Green Belt Area		55.6	28.6	17.1	12.7

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
 PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40
			24 hours	60


 Khairul Islam Sheikh
 (Environmental Chemist)


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/Reviewed by

For Envision Enviro Technologies North East, Guwahati

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TC-7669

NABL ACCREDITED

TEST REPORT

FUGITIVE EMISSION ANALYSIS REPORT


Rep.No. 240610_1503155_01_690
SAMPLE ID: EETN/JUNE/03/24

Date: 10/06/2024
ULR NO.:TC766924000000165F

Name & Address:
M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	03/06/2024	Near Mill House	1025	-Water spraying is done to control the fugitive emission.
ii)	04/06/2024	Near Fly Ash Conveyor Belt	1120	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1194	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



TC-7669

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Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_691
SAMPLE ID: EETNE/JUNE/03/24

Date: 10/06/2024
ULR NO.:TC766924000000165F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	03/06/2024	Near Green Belt Area	56.2
ii)		Near Cement Mill	70.7
iii)	04/06/2024	Near Main Gate	69.6
iv)		Near Office Building	70.2

Remarks: Noise level is carried out during 75% of the Day Time.

Method of analysis : : IS 9989 :1981RA :2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



TC-7669

NABLACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT

D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. DGNLMR_1503155_06A_692
 SAMPLE ID: EETNE/JUNE/03/24

Date: 10/06/2024
 ULR NO.:TC766924000000165F

Name & Address:
 M/s. K.D. Cements,
 Vill: Bhomraguri,
 P.O. Rangagora,
 Dist : Nagaon,
 Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	03/06/24	250 KVA - DG Set	58.9	68.1	67.5
ii)		1500 KVA - DG Set	57.6	72.9	72.7

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.

Method of analysis : IS 4758 :1968RA :2017

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.


 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

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-----END OF REPORT-----



TC-7669

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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_693
 SAMPLE ID: EETNE/JUNE/03/24

Date: 10/06/2024
 ULR NO.:TC766924000000165F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 04/06/2024 TO 10/06/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	04/06/2024	Stack attached to CEMENT MILL	26.8	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati


 Khairul Islam Sheik
 (Environmental Chemist)


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



TC-7669

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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_694
 SAMPLE ID: EETNE/JUNE/03/24

Date: 10/06/2024
 ULR NO.:TC766924000000165F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 03/06/2024 TO 10/06/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	03/06/2024	Stack attached to DG set- 250 KVA	0.016	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW<P≤560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	03/06/2024	Stack attached DG Set- 1500 KVA	62.1	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

Khairul Islam Sheikh
 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

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Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_1503155_01_752

SAMPLE ID: EETNE/JULY/04/24

Date: 18/07/2024

ULR NO.:TC766924000000182F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 12/07/2024, 13/07/2024 TO 18/07/2024
 Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	12/07/2024	Near Main Gate	Clear	60.1	30.6	20.9	11.6
ii)		Near Mill House		55.6	31.2	22.1	14.9
iii)	13/07/2024	Near Clinker Go down		57.1	34.9	20.7	11.1
iv)		Near Green Belt Area		53.9	29.8	18.9	10.6

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
 PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40
			24 hours	60

Khairul Islam Sheikh
 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TC-7669

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TEST REPORT

FUGITIVE EMISSION ANALYSIS REPORT

Rep.No. 240718_1503155_01_753
SAMPLE ID: EETN/JULY/04/24

Date: 18/07/2024
ULR NO.:TC766924000000182F

Name & Address:
M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	12/07/2024	Near Mill House	925	-Water spraying is done to control the fugitive emission.
ii)	13/07/2024	Near Fly Ash Conveyor Belt	1050	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1220	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



Utpal Bezbaruah
(Technical Manager)
Authorized Signatory /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_754
 SAMPLE ID: EETNE/JULY/04/24

Date: 18/07/2024
 ULR NO.:TC766924000000182F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	12/07/2024	Near Green Belt Area	55.8
ii)		Near Cement Mill	69.1
iii)	13/07/2024	Near Main Gate	68.5
iv)		Near Office Building	54.8

Remarks: Noise level is carried out during 75% of the Day Time.
 Method of analysis : : IS 9989 :1981RA :2014
 Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati


 Khairul Islam Sheikh
 (Environmental Chemist)


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

Recognized by Pollution Control Board, Assam

NABL ACCREDITED

TEST REPORT**D.G SET NOISE LEVEL MEASUREMENT REPORT**Rep.No. DGNLMR_1503155_06A_755
SAMPLE ID: EETNE/JULY/04/24Date: 18/07/2024
ULR NO.: TC766924000000182F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon,
Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	18/07/24	250 KVA - DG Set	58.1	69.1	68.7
ii)		1500 KVA - DG Set	59.3	71.2	70.9

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.

Method of analysis : IS 4758 :1968RA :2017

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_756

SAMPLE ID: EETNE/JULY/04/24

Date: 18/07/2024

ULR NO.:TC766924000000182F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 13/07/2024 TO 18/07/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	13/07/2024	Stack attached to CEMENT MILL	25.5	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati


 Khairul Islam Sheikh
 (Environmental Chemist)


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_757
SAMPLE ID: EETNE/JULY/04/24

Date: 18/07/2024
ULR NO.:TC766924000000182F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 12/07/2024 TO 18/07/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	12/07/2024	Stack attached to DG set- 250 KVA	0.019	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW<P≤560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	12/07/2024	Stack attached DG Set- 1500 KVA	64.6	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
(Environmental Chemist)

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



AMBIENT AIR ANALYSIS REPORT

TEST REPORT

Rep.No. AAAR_1503155_01_765
SAMPLE ID: EETNE/AUG/01/24

Date: 21/08/2024
ULR NO.:TC766924000000186F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 16/08/2024, 17/08/2024 TO 21/08/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	16/08/2024	Near Main Gate	Clear	59.3	28.1	22.6	12.9
ii)		Near Mill House		52.9	32.9	23.1	15.6
iii)	17/08/2024	Near Clinker Go down		58.6	33.8	21.9	12.1
iv)		Near Green Belt Area		56.7	30.6	20.7	11.1

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur (SO ₂), µg/m ³ Dioxide	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen (NO ₂), µg/m ³ Dioxide	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40
			24 hours	60

Khairul Islam
15/08/2024
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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TC-7669
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TEST REPORT
FUGITIVE EMISSION ANALYSIS REPORT


Rep.No. 240821_1503155_01_766
SAMPLE ID: EETNE/AUG/01/24

Date: 21/08/2024
ULR NO.:TC766924000000186F

Name & Address:
M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	16/08/2024	Near Mill House	829	-Water spraying is done to control the fugitive emission.
ii)	17/08/2024	Near Fly Ash Conveyor Belt	1120	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1220	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)

Authorized Signatory /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_767

Date: 21/08/2024

SAMPLE ID: EETNE/AUG/01/24

ULR NO.:TC766924000000186F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	16/08/2024	Near Green Belt Area	52.9
ii)		Near Cement Mill	68.6
iii)	17/08/2024	Near Main Gate	67.2
iv)		Near Office Building	55.8

Remarks: Noise level is carried out during 75% of the Day Time.

Method of analysis : : IS 9989 :1981RA :2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
(Environmental Chemist)



Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----


**TEST REPORT****D.G SET NOISE LEVEL MEASUREMENT REPORT**Rep.No. DGNLMR_1503155_06A_768
SAMPLE ID: EETNE/AUG/01/24Date: 21/08/2024
ULR NO.:TC766924000000186F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon,
Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	16/08/24	250 KVA - DG Set	58.1	70.2	69.9
ii)		1500 KVA - DG Set	58.3	72.6	72.4


Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.

Method of analysis : IS 4758 :1968RA :2017

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_769
 SAMPLE ID: EETNE/AUG/01/24

Date: 21/08/2024
 ULR NO.:TC766924000000186F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 16/08/2024 TO 21/08/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	16/08/2024	Stack attached to CEMENT MILL	23.1	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati


 Khairul Islam Sheikh
 (Environmental Chemist)


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_770
SAMPLE ID: EETNE/AUG/01/24

Date: 21/08/2024
ULR NO.:TC766924000000186F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 16/08/2024 TO 21/08/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	16/08/2024	Stack attached to DG set- 250 KVA	0.015	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW < P ≤ 560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	16/08/2024	Stack attached DG Set- 1500 KVA	62.8	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_1503155_01_804
SAMPLE ID: EETNE/SEPT/01/24

Date: 09/09/2024
ULR NO.:TC766924000000196F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 03/09/2024, 04/09/2024 TO 09/09/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	03/09/2024	Near Main Gate	Clear	60.8	24.8	21.4	11.7
ii)		Near Mill House		53.6	34.5	24.9	17.8
iii)	04/09/2024	Near Clinker Go down		59.6	34.8	20.1	13.6
iv)		Near Green Belt Area		57.8	32.9	21.6	12.9

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air	
				Industrial, Residential, Rural and Other Area	
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50	
			24 hours		80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40	
			24 hours		80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60	
			24 hours		100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40	
			24 hours		60

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)

Authorized Signatory/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



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TEST REPORT**FUGITIVE EMISSION ANALYSIS REPORT**Rep.No. 240909_1503155_01_805
SAMPLE ID: EETNE/SEPT/01/24Date: 09/09/2024
ULR NO.:TC766924000000196F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	03/09/2024	Near Mill House	929	-Water spraying is done to control the fugitive emission.
ii)	04/09/2024	Near Fly Ash Conveyor Belt	1024	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1320	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDSKhairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory /Reviewed byNote: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

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TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_806
SAMPLE ID: EETNE/SEPT/01/24

Date: 09/09/2024
ULR NO.:TC766924000000196F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A) Leq
			Day Time (6:00 am to 10:00 pm)
i)	03/09/2024	Near Green Belt Area	54.8
ii)		Near Cement Mill	67.2
iii)	04/09/2024	Near Main Gate	69.6
iv)		Near Office Building	56.8

Remarks: Noise level is carried out during 75% of the Day Time.

Method of analysis : : IS 9989 :1981RA :2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

**TEST REPORT****D.G SET NOISE LEVEL MEASUREMENT REPORT**Rep.No. DGNLMR_1503155_06A_807
SAMPLE ID: EETNE/SEPT/01/24Date: 09/09/2024
ULR NO.:TC766924000000196F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon,
Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	03/09/24	250 KVA - DG Set	58.2	69.2	68.8
ii)		1500 KVA - DG Set	58	71.8	71.6

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.

Method of analysis : IS 4758 :1968RA :2017

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)

Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TEST REPORT**STACK ANALYSIS REPORT**

Rep.No. SAR_1503155_01_808

SAMPLE ID: EETNE/SEPT/01/24

Date: 09/09/2024

ULR NO.:TC766924000000196F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 03/09/2024 TO 09/09/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	03/09/2024	Stack attached to CEMENT MILL	24.8	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA



Khairul Islam Sheikh
(Environmental Chemist)



Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

For Envision Enviro Technologies North East, Guwahati

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 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_809
SAMPLE ID: EETNE/SEPT/01/24

Date: 09/09/2024
ULR NO.:TC766924000000196F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 03/09/2024 TO 09/09/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	03/09/2024	Stack attached to DG set- 250 KVA	0.017	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW<P≤560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	03/09/2024	Stack attached DG Set- 1500 KVA	64.7	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_1503155_01_650

SAMPLE ID: EETNE/MAY/03/24

Date: 16/05/2024

ULR NO.:TC766924000000154F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 10/05/2024, 11/05/2024 TO 16/05/2024
 Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	10/05/2024	Near Main Gate	Clear	60.5	33.9	21.6	11.9
ii)		Near Mill House		58.6	33.1	22.9	14.5
iii)	11/05/2024	Near Clinker Go down		57.2	34.1	20.9	11.6
iv)		Near Green Belt Area		56.1	29.6	18.9	13.6

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB
 PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I	Annual	40
			24 hours	60

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
(Environmental Chemist)

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----




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TEST REPORT**FUGITIVE EMISSION ANALYSIS REPORT**Rep.No. 240516_1503155_01_651
SAMPLE ID: EETN/MAY/03/24Date: 16/05/2024
ULR NO.:TC766924000000154F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	10/05/2024	Near Mill House	1227	-Water spraying is done to control the fugitive emission.
ii)	11/05/2024	Near Fly Ash Conveyor Belt	1126	-All materials are stored in closed sheds to mitigate fugitive emission.
iii)		Near Packing Section	1227	

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)

Authorized Signatory /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

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TEST REPORT**AMBIENT NOISE LEVEL MEASUREMENT REPORT**Rep.No. ANLMR_1503155_06A_652
SAMPLE ID: EETNE/MAY/03/24Date: 16/05/2024
ULR NO.:TC766924000000154F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	10/05/2024	Near Green Belt Area	57.6
ii)		Near Cement Mill	71.3
iii)	11/05/2024	Near Main Gate	68.6
iv)		Near Office Building	69.3

Remarks: Noise level is carried out during 75% of the Day Time.

Method of analysis : : IS 9989 :1981RA :2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati

Khairul Islam Sheikh
(Environmental Chemist)

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed byNote: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

TEST REPORT**D.G SET NOISE LEVEL MEASUREMENT REPORT**Rep.No. DGNLMR_1503155_06A_653
SAMPLE ID: EETNE/MAY/03/24Date: 16/05/2024
ULR NO.:TC766924000000154F**Name & Address:**M/s. K.D. Cements,
Vill: Bhomraguri,
P.O. Rangagora,
Dist : Nagaon,
Assam.


SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i)	10/05/24	250 KVA - DG Set	57.3	69.3	69
ii)		1500 KVA - DG Set	57.8	71.2	71.3

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.

Method of analysis : IS 4758 :1968RA :2017

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_654

SAMPLE ID: EETNE/MAY/03/24

Date: 16/05/2024

ULR NO.:TC766924000000154F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 11/05/2024 TO 16/05/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	11/05/2024	Stack attached to CEMENT MILL	28.7	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA


 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


 Utpal Bezbaruah
 (Technical Manager)
 Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_1503155_01_655
SAMPLE ID: EETNE/MAY/03/24

Date: 16/05/2024
ULR NO.:TC766924000000154F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 10/05/2024 TO 16/05/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : NO/YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	10/05/2024	Stack attached to DG set- 250 KVA	0.015	-Data is within the permissible limit

Emission Standards for Diesel Engine for generator set :

Engine Power(P)	Parameter	Standards
56KW<P≤560KW	Particulate Matter	0.02 g/kwhr

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
ii)	10/05/2024	Stack attached DG Set- 1500 KVA	64.6	- DG set is with acoustic enclosure.

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)

Authorized Signatory/ Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

PLANTATION PHOTOGRAPHS AT K.D.CEMENTS, BHOMRAGURI, NAGAON , ASSAM





Note :- A total of 5000 saplings of 50 native species have been planted in our premises under the guidance of Dr. Shantanu K Dutta , Sc D of Central Pollution Control Board , Regional Directorate , Shillong . The method uses only local native species and it helps in development of Environmental Protection Forest .

**ENVIRONMENTAL LABRATORY K.D.CEMENTS, VILL:BHOMRAGURI,
P.O.RANGGAORA, DISTT- NAGAON (Assam)**



